



# STIC Search Report

## EIC 3600

STIC Database Tracking Number: 146344

TO: Jason Bellinger  
Location: Pk. 5, 3D01  
Art Unit : 3617  
March 1, 2005

Case Serial Number: 10/643207

From: Caryn Wesner-Early  
Location: EIC 3600  
PK5-Suite 804  
Phone: 306-5967

[Caryn.Wesner@uspto.gov](mailto:Caryn.Wesner@uspto.gov)

### Search Notes

If a modification or re-focus of this search is needed, please let me know.

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Technical Information Specialist  
EIC 3600, US Patent & Trademark Office  
Phone: (703) 306-5967  
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[caryn.wesner@uspto.gov](mailto:caryn.wesner@uspto.gov)

Best Available Copy



# STIC EIC 3600

## Search Request Form

146 344

2

Today's Date:  
5/1/05Class/Subclass 301/111.40 What date would you like to use to limit the search?  
301/195.1 (earlier) Priority Date: 8/16/02 Other:

Name Jason Bellinger  
AU 3617 Examiner # 77548  
Room # 6101 Phone 308-6398  
Serial # 10/643,207

Format for Search Results (Circle One):

 PAPER

DISK

EMAIL

Where have you searched so far?

USP  DWPI  EPO  JPO  ACM  IBM TDB  
 IEEE  INSPEC  SPI  Other \_\_\_\_\_

Is this a "Fast & Focused" Search Request? (Circle One) YES  NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC3600 and on the EIC3600 NPL Web Page at <http://ptoweb/patents/stic/stic-tc3600.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Quick release steering wheel adaptor for attaching a custom steering wheel to a standard steering wheel column.

Lee H. Dahmen

280/775

b62d-001?

180/234

b606-023? 280/263 180/400  
" -027? b62k-001? b62d-003?  
" -037? " -017? " -007?  
" -021? " -009?  
b62m-011?  
" -013?  
" -015?  
" -003?  
" -005?  
" -007?

STIC Searcher \_\_\_\_\_

Phone " -009?

Date picked up \_\_\_\_\_

Date Completed \_\_\_\_\_



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?show files;ds
File 347:JAPIO Nov 1976-2004/Oct (Updated 050208)
    (c) 2005 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2005/Feb W03
    (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20050217, UT=20050210
    (c) 2005 WIPO/Univentio
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200514
    (c) 2005 Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
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File 120:U.S. Copyrights 1978-2005/Feb 22
    (c) format only 2005 The Dialog Corp.
File 426:LCMARC-Books 1968-2005/Feb W4
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    (c) 2005 J. Whitaker & Sons Ltd.
File 35:Dissertation Abs Online 1861-2005/Feb
    (c) 2005 ProQuest Info&Learning
File 8:Ei Compendex(R) 1970-2005/Jan W3
    (c) 2005 Elsevier Eng. Info. Inc.
File 94:JICST-EPlus 1985-2005/Jan W3
    (c) 2005 Japan Science and Tech Corp(JST)
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
    (c) 2002 The Gale Group
File 65:Inside Conferences 1993-2005/Feb W4
    (c) 2005 BLDSC all rts. reserv.
File 2:INSPEC 1969-2005/Feb W3
    (c) 2005 Institution of Electrical Engineers
File 81:MIRA - Motor Industry Research 2001-2005/Jan
    (c) 2005 MIRA Ltd.
File 6:NTIS 1964-2005/Feb W3
    (c) 2005 NTIS, Intl Cpyrgh All Rights Res
File 144:Pascal 1973-2005/Feb W3
    (c) 2005 INIST/CNRS
File 323:RAPRA Rubber & Plastics 1972-2005/Jan
    (c) 2005 RAPRA Technology Ltd
File 34:SciSearch(R) Cited Ref Sci 1990-2005/Feb W3
    (c) 2005 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
    (c) 1998 Inst for Sci Info
File 63:Transport Res(TRIS) 1970-2005/
    (c) fmt only 2005 Dialog Corp.
File 111:TGG Natl.Newspaper Index(SM) 1979-2005/Feb 28
    (c) 2005 The Gale Group
File 25:Weldasearch-19662005/Jan
    (c) 2005 TWI Ltd
File 99:Wilson Appl. Sci & Tech Abs 1983-2005/Jan
    (c) 2005 The HW Wilson Co.
File 15:ABI/Inform(R) 1971-2005/Mar 01
    (c) 2005 ProQuest Info&Learning
File 9:Business & Industry(R) Jul/1994-2005/Feb 28
    (c) 2005 The Gale Group
File 80:TGG Aerospace/Def.Mkts(R) 1982-2005/Mar 01
    (c) 2005 The Gale Group
File 47:Gale Group Magazine DB(TM) 1959-2005/Feb 25
    (c) 2005 The Gale group
File 16:Gale Group PROMT(R) 1990-2005/Mar 01
    (c) 2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
    (c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2005/Mar 01
    (c) 2005 The Gale Group
File 98:General Sci Abs/Full-Text 1984-2004/Dec
    (c) 2005 The HW Wilson Co.
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File 624:McGraw-Hill Publications 1985-2005/Mar 01  
(c) 2005 McGraw-Hill Co. Inc  
File 484:Periodical Abs Plustext 1986-2005/Feb W3  
(c) 2005 ProQuest  
File 482:Newsweek 2000-2005/Feb 23  
(c) 2005 Newsweek, Inc.  
File 483:Newspaper Abs Daily 1986-2005/Feb 26  
(c) 2005 ProQuest Info&Learning  
File 141:Readers Guide 1983-2004/Sep  
(c) 2004 The HW Wilson Co  
File 646:Consumer Reports 1982-2005/Feb  
(c) 2005 Consumer Union

Set	Items	Description
S1	3	AU='DAHMER L'
S2	1	AU='DAHMER L H'
S3	1	AU='DAHMER LH'
S4	0	AU='DAHMER LEE'
S5	1	AU='DAHMER, L.H.'
S6	0	AU='DAHMER, LEE'
S7	6	S1:S6
S8	1	S7 FROM 347,348,349,350,371
S9	5	S7 NOT S8
S10	5	S9 NOT PY>2002
S11	5	S10 NOT PD=20020817:20050331
S12	5	RD (unique items)
	6	S2 OR S12

'13/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

016241700 \*\*Image available\*\*

WPI Acc No: 2004-399593/200437

XRPX Acc No: N04-318593

Billet hub adapter for quick-release steering wheel, has first central recess with three through-holes in pattern used by quick-release mechanism and extended to top of billet hub

Patent Assignee: DAHMER L H (DAHM-I)

Inventor: DAHMER L H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040100143	A1	20040527	US 2002404086	P	20020816	200437 B
			US 2003643207	A	20030818	

Priority Applications (No Type Date): US 2002404086 P 20020816; US 2003643207 A 20030818

Patent Details:

Patent No	Kind	Lat	Pg	Main IPC	Filing Notes
US 20040100143	A1	10		B60B-023/00	Provisional application US 2002404086

Inventor: DAHMER L H

13/AA,AN, TI/1 (Item 1 from file: 350)  
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

WPI Acc No: 2004-399593/

Billet hub adapter for quick-release steering wheel, has first central recess with three through-holes in pattern used by quick-release mechanism and extended to top of billet hub

Local Applications (No Type Date): US 2002404086 P 20020816; US 2003643207 A 20030818

Priority Applications (No Type Date): US 2002404086 P 20020816; US 2003643207 A 20030818

13/AA,AN, TI/2 (Item 1 from file: 2)

DIALOG(R)File 2:(c) 2005 Institution of Electrical Engineers. All rts. reserv.

Title: A practical solution for AgCl blinding of sensor electrode in robotic analyses of high-chloride-level samples

13/AA,AN, TI/3 (Item 1 from file: 34)

DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

05493490

Title: S-IGA LEVELS IN SJOGRENS PATIENTS BEFORE AND AFTER PILOCARPINE HCL ADMINISTRATION

13/AA,AN, TI/4 (Item 2 from file: 34)

DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

05493486

Title: SALIVARY CYTOKINE LEVELS IN SJOGRENS PATIENTS BEFORE AND AFTER PILOCARPINE HCL ADMINISTRATION

13/AA,AN, TI/5 (Item 3 from file: 34)

DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

01388379

Title: LOW-LEVEL MIXTURES OF HERBICIDE-INSECTICIDE-NITRATE EFFECTS ON HORMONE AND AGGRESSION LEVELS

13/AA,AN, TI/6 (Item 1 from file: 434)

DIALOG(R)File 434:(c) 1998 Inst for Sci Info. All rts. reserv.

03956875

Title: A SPECTROPHOTOMETRIC METHOD FOR DETERMINATION OF PPB LEVELS OF AZIDE ION IN FOOD CROPS, SOIL, AND WATER

?show files;ds  
File 347:JAPIO Nov 1976-2004/Oct (Updated 050208)  
    (c) 2005 JPO & JAPIO  
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200514  
    (c) 2005 Thomson Derwent  
File 371:French Patents 1961-2002/BOPI 200209  
    (c) 2002 INPI. All rts. reserv.

Set	Items	Description
S1	1155553	QUICK OR FAST OR RAPID OR INSTANT OR EMERGENCY OR SPEEDY OR EASY OR EZ OR IMMEDIATE?? OR EXPRESS
S2	3558927	RELEAS? OR REMOV? OR DISCONNECT? OR SEPARAT??? OR SEPARABLE OR SEPARATEABLE OR DISJOIN? OR UNFASTEN??? OR BREAKAWAY OR B-REAK???()AWAY OR DETACH? OR UNDO???
S3	39900	(STEERING OR HAND) ()(WHEEL? ? OR APPARATUS OR GEAR) OR STEERINGWHEEL? ? OR HANDWHEEL? ?
S4	979341	ADAPT?R OR CONVERT?R OR FITTING OR CONNECT?R
S5	2074	((NON OR "NOT") ()STANDARD) OR SIX OR 6 OR NINE OR 9) ()(ST-UD? ? OR NUT? ? OR RIVET? ? OR BOLT? ? OR SCREW? ? OR PIN OR -PINS)
S6	51765	S1(2N)S2
S7	99	S4(10N)S5
S8	0	S3(S)S6(S)S7
S9	0	S3 AND S6 AND S7
S10	68856	S1(5N)S2
S11	125	S4(20N)S5
S12	0	S3 AND S10 AND S11
S13	69	S3(S) (S6 OR S7)
S14	47545	IC=(B62D-001? OR B60B-023? OR B60B-027? OR B60B-037? OR B6-2D-003? OR B62D-007? OR B62D-009? OR B62K-001? OR B62K-017? OR B62K-021? OR B62M-011? OR B62M-013? OR B62M-015? OR B62M-003? OR B62M-005? OR B62M-007? OR B62M-009?)
S16	18	§§ AND S14
S17	18	IDPAT (sorted in duplicate/non-duplicate order)
		IDPAT (primary/non-duplicate records only)

17/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016241700 \*\*Image available\*\*

WPI Acc No: 2004-399593/200437

XRPX Acc No: N04-318593

Billet hub adapter for quick-release steering wheel, has first central recess with three through-holes in pattern used by quick-release mechanism and extended to top of billet hub

Patent Assignee: DAHMER L H (DAHM-I)

Inventor: DAHMER L H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040100143	A1	20040527	US 2002404086	P	20020816	200437 B
			US 2003643207	A	20030818	

Priority Applications (No Type Date): US 2002404086 P 20020816; US 2003643207 A 20030818

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20040100143	A1	10	B60B-023/00	Provisional application US 2002404086

Billet hub adapter for quick-release steering wheel, has first central recess with three through-holes in pattern used by quick-release mechanism and extended to top of billet hub

Abstract (Basic):

... a quick-release mechanism for an original equipment manufacturer (OEM) steering shaft and three-bolt steering wheels. The first central recess has three through-holes in a pattern used by the quick-release mechanism and extended to the top of the billet hub.  
... a quick-release steering wheel;  
(...)

...For quick-release steering wheel used in exotic open automobile...

...Deters theft of quick-release steering wheel. Complies with racing safety equipment. Allows easy access to dashboard and wheel well area during

International Patent Class (Main): B60B-023/00

17/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

015255906 \*\*Image available\*\*

WPI Acc No: 2003-316835/200331

XRPX Acc No: N03-252297

Steering wheel structure for vehicle, has switch between rotary portion and fixed portion of ring-shaped wheel, mated with rotary portion to drive vehicle

Patent Assignee: OKAMURA K (OKAM-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002166831	A	20020611	JP 2000365351	A	20001130	200331 B

Priority Applications (No Type Date): JP 2000365351 A 20001130

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2002166831	A	8	B62D-001/04	

Abstract (Basic):

... of engine and unlocking doors. Enables quick manipulation during emergency without removing hands from the steering wheel.  
Facilitates a physically handicapped person to drive the vehicle...

International Patent Class (Main): B62D-001/04

17/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

015202164 \*\*Image available\*\*

WPI Acc No: 2003-262698/200326

XRPX Acc No: N03-208584

Mounting structure for steering wheel has detachable spoke fixing device which is fixed to center section of adapter

Patent Assignee: MSC ENG YG (MSCE-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2003072559	A	20030312	JP 2001267971	A	20010904	200326 B

Priority Applications (No Type Date): JP 2001267971 A 20010904

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 2003072559	A	5		B62D-001/10	
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Abstract (Basic):

... Enables easy detachment of steering wheel due to the formation of the detachable spoke fixing device...

International Patent Class (Main): B62D-001/10

17/3,K/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

012914101 \*\*Image available\*\*

WPI Acc No: 2000-085937/200007

XRPX Acc No: N00-067397

Attachment structure for mounting steering wheel to steering column of vehicle

Patent Assignee: TRW INC (THOP )

Inventor: HEIDORN M E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6006628	A	19991228	US 97951528	A	19971016	200007 B

Priority Applications (No Type Date): US 97951528 A 19971016

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 6006628	A	7		B62D-001/04	
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Abstract (Basic):

... Enables easy removal of steering wheel from steering column by only pulling out pin from transverse passage. Prevents axial movement of steering wheel relative to steering column...

International Patent Class (Main): B62D-001/04

17/3,K/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012725194      \*\*Image available\*\*

WPI Acc No: 1999-531307/199945

XRPX Acc No: N99-394045

Auxiliary operating tool for steering wheel of motor vehicle

Patent Assignee: ITAGAKI M (ITAG-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11227614	A	19990824	JP 9869210	A	19980212	199945 B

Priority Applications (No Type Date): JP 9869210 A 19980212

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11227614	A			B62D-001/04	

Abstract (Basic):

... Allows user to turn steering wheel without immediately releasing hand from wheel even when vehicle runs along dangerous curve

...

International Patent Class (Main): B62D-001/04

International Patent Class (Additional): B62D-001/06

17/3,K/16      (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

001247369

WPI Acc No: 1975-D1162W/197512

Auxiliary control system for tractors - turns main steering wheel by telescopic drive shaft and includes quick release coupling

Patent Assignee: R ESCHLBOCK (ESCH-I)

Number of Countries: 004 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2441572	A	19750313				197512 B
NL 7411897	A	19750313				197513
FR 2243102	A	19750509				197524
AT 7307880	A	19750915				197541
AT 7402141	A	19770415				197718
DE 2441572	B	19800110				198003
NL 170110	B	19820503				198220

Priority Applications (No Type Date): AT 742141 A 19740315; AT 737880 A 19730911

'17/AN,AZ, TI/1 (Item 1 from file: 350)  
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

016241700

Billet hub adapter for quick-release steering wheel, has first central recess with three through-holes in pattern used by quick-release mechanism and extended to top of billet hub  
Local Applications (No Type Date): US 2002404086 P 20020816; US 2003643207 A 20030818

Priority Applications (No Type Date): US 2002404086 P 20020816; US 2003643207 A 20030818

17/AN,AZ, TI/2 (Item 2 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

016172816

Sand rail vehicle, has a roll-cage frame with a slam hatch with carries the steering wheel that is part of a rack-and-pinion system, and four independently suspended wheels

Local Applications (No Type Date): CA 2442864 A 20030926; US 2002413975 P 20020926; US 2003673628 A 20030926

Priority Applications (No Type Date): US 2002413975 P 20020926; US 2003673628 A 20030926

17/AN,AZ, TI/3 (Item 3 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

015255906

Steering wheel structure for vehicle, has switch between rotary portion and fixed portion of ring-shaped wheel, mated with rotary portion to drive vehicle

Local Applications (No Type Date): JP 2000365351 A 20001130

Priority Applications (No Type Date): JP 2000365351 A 20001130

17/AN,AZ, TI/4 (Item 4 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

015202164

Mounting structure for steering wheel has detachable spoke fixing device which is fixed to center section of adapter

Local Applications (No Type Date): JP 2001267971 A 20010904

Priority Applications (No Type Date): JP 2001267971 A 20010904

17/AN,AZ, TI/5 (Item 5 from file: 350)

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014292876

Airbag module mounting structure includes changeover member which regulates and changes state of locking wire between locked state and released state

Local Applications (No Type Date): US 2001891291 A 20010627; JP 2000193461 A 20000627; JP 2000198184 A 20000630; JP 2000196553 A 20000629; EP 2001115324 A 20010625; JP 200123088 A 20010131; JP 200121280 A 20010130; US 2001891291 A 20010627; EP 2001115324 A 20010625; EP 20041627 A 20010625; EP 2001115324 A 20010625; EP 20041627 A 20010625; DE 103699 A 20010625; EP 2001115324 A 20010625

Priority Applications (No Type Date): JP 200123088 A 20010131; JP 2000193461 A 20000627; JP 2000196553 A 20000629; JP 2000198184 A 20000630; JP 200121280 A 20010130

17/AN,AZ, TI/6 (Item 6 from file: 350)  
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

014217264

Anti-theft steering locking mechanism for motor vehicle, has key operated lock which locks and releases lock of left and right locking mechanisms of left and right locking rods  
Local Applications (No Type Date): JP 2000118846 A 20000420  
Priority Applications (No Type Date): JP 2000118846 A 20000420

17/AN,AZ, TI/7 (Item 7 from file: 350)  
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

013066944

Metal steering wheel has a wheel rim consisting sliding parts connected by a wire cable  
Local Applications (No Type Date): DE 99U2013382 U 19990730  
Priority Applications (No Type Date): DE 98U2019074 U 19981027

17/AN,AZ, TI/8 (Item 8 from file: 350)  
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

012914101

Attachment structure for mounting steering wheel to steering column of vehicle  
Local Applications (No Type Date): US 97951528 A 19971016  
Priority Applications (No Type Date): US 97951528 A 19971016

17/AN,AZ, TI/9 (Item 9 from file: 350)  
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

012725194

Auxiliary operating tool for steering wheel of motor vehicle  
Local Applications (No Type Date): JP 9869210 A 19980212  
Priority Applications (No Type Date): JP 9869210 A 19980212

17/AN,AZ, TI/10 (Item 10 from file: 350)  
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

012501381

Attachment bolt retainer structure of steering wheel back cover for attaching airbag to steering wheel of motor vehicles - has inner peripheral surface of cylindrical clamp leg tapered from front to back, and axial direction ribs and machine ways to guide bolt towards engaging position  
Local Applications (No Type Date): JP 97276040 A 19971008; JP 97276040 A 19971008  
Priority Applications (No Type Date): JP 97276040 A 19971008

17/AN,AZ, TI/11 (Item 11 from file: 350)  
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

012353117

Rotation connection device for steering wheel attachment unit - includes perforation on outer edge part of rotator, based on which rotation angle of steering wheel is detected  
Local Applications (No Type Date): JP 97166252 A 19970623  
Priority Applications (No Type Date): JP 97166252 A 19970623

17/AN,AZ, TI/12 (Item 12 from file: 350)  
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

011561399

Two-part automotive steering wheel locking joint - has air bag and warning horn connection and facilitates rapid removal and release following emergency activation with snap off breaking point  
Local Applications (No Type Date): DE 1017625 A 19970425; JP 96107664 A 19960426; KR 9715752 A 19970426; US 97839009 A 19970423; DE 1017625 A 19970425; KR 9715752 A 19970426; JP 96107664 A 19960426  
Priority Applications (No Type Date): JP 96107664 A 19960426

17/AN,AZ, TI/13 (Item 13 from file: 350)  
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

010485839

Rotation connector device for airbag mounted in steering-wheel of motor vehicle - has detachable connector unit which has stress central collection part that provides easy separation of each terminal unit  
Local Applications (No Type Date): JP 9474423 A 19940318; JP 9474423 A 19940318  
Priority Applications (No Type Date): JP 9474423 A 19940318

17/AN,AZ, TI/14 (Item 14 from file: 350)  
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

009684404

Heated steering wheel cover assembly esp. for driving car or truck in cold climate - is of multilayer construction and includes electrical resistance type heater and pair of structural elements which maintain contact during rotation of steering wheel  
Local Applications (No Type Date): CA 2062320 A 19920309; US 92848343 A 19920309  
Priority Applications (No Type Date): CA 2062320 A 19920309; US 92848343 A 19920309

17/AN,AZ, TI/15 (Item 15 from file: 350)  
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

002379100

Automatic steering for research vehicle - has electric servo drive clamped between wheel and column  
Priority Applications (No Type Date): DE 2925156 A 19790622

17/AN,AZ, TI/16 (Item 16 from file: 350)  
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

001247369

Auxiliary control system for tractors - turns main steering wheel by telescopic drive shaft and includes quick release coupling  
Priority Applications (No Type Date): AT 742141 A 19740315; AT 737880 A 19730911

17/AN,AZ, TI/17 (Item 17 from file: 347)  
DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.

05568577

STEERING WHEEL COVER FOR VEHICLE STEERING WHEEL

APPL. NO.: 07-352169 [JP 95352169]

17/AN,AZ, TI/18 (Item 18 from file: 347)  
DIALOG(R)File 347: (c) 2005 JPO & JAPIO. All rts. reserv.

00068131  
HORN SWITCH DEVICE

APPL. NO.: 50-103280 [JP 75103280]

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?show files;ds
File 35:Dissertation Abs Online 1861-2005/Feb
      (c) 2005 ProQuest Info&Learning
File 8:Ei Compendex(R) 1970-2005/Jan W3
      (c) 2005 Elsevier Eng. Info. Inc.
File 94:JICST-EPlus 1985-2005/Jan W3
      (c) 2005 Japan Science and Tech Corp(JST)
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
      (c) 2002 The Gale Group
File 65:Inside Conferences 1993-2005/Feb W4
      (c) 2005 BLDSC all rts. reserv.
File 2:INSPEC 1969-2005/Feb W3
      (c) 2005 Institution of Electrical Engineers
File 81:MIRA - Motor Industry Research 2001-2005/Jan
      (c) 2005 MIRA Ltd.
File 6:NTIS 1964-2005/Feb W3
      (c) 2005 NTIS, Intl Cpyrht All Rights Res
File 144:Pascal 1973-2005/Feb W3
      (c) 2005 INIST/CNRS
File 323:RAPRA Rubber & Plastics 1972-2005/Jan
      (c) 2005 RAPRA Technology Ltd.
File 34:SciSearch(R) Cited Ref Sci 1990-2005/Feb W3
      (c) 2005 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
      (c) 1998 Inst for Sci Info
File 63:Transport Res(TRIS) 1970-2005/
      (c) fmt only 2005 Dialog Corp.
File 111:TGG Natl.Newspaper Index(SM) 1979-2005/Feb 28
      (c) 2005 The Gale Group
File 25:Weldasearch-19662005/Jan
      (c) 2005 TWI Ltd
File 99:Wilson Appl. Sci & Tech Abs 1983-2005/Jan
      (c) 2005 The HW Wilson Co.
```

Set	Items	Description
S1	2855806	QUICK OR FAST OR RAPID OR INSTANT OR EMERGENCY OR SPEEDY OR EASY OR EZ OR IMMEDIATE?? OR EXPRESS
S2	4093794	RELEAS? OR REMOV? OR DISCONNECT? OR SEPARAT??? OR SEPARABLE OR SEPARATEABLE OR DISJOIN? OR UNFASTEN??? OR BREAKAWAY OR B-REAK???() AWAY OR DETACH? OR UNDO???
S3	8078	(STEERING OR HAND)() (WHEEL? ? OR APPARATUS OR GEAR) OR STEERINGWHEEL? ? OR HANDWHEEL? ?
S4	453624	ADAPT?R OR CONVERT?R OR FITTING OR CONNECT?R
S5	2193	((NON OR "NOT") () STANDARD) OR SIX OR 6 OR NINE OR 9) () (STUD? ? OR NUT? ? OR RIVET? ? OR BOLT? ? OR SCREW? ? OR PIN OR PINS)
S6	27712	S1(2N)S2
S7	36	S4(10N)S5
S8	0	S3(S)S6(S)S7
S9	0	S3 AND S6 AND S7
S10	43930	S1(5N)S2
S11	50	S4(20N)S5
S12	0	S3 AND S10 AND S11
S13	0	S3(10N) (S6 OR S7)
S14	1	S3 AND (S6 OR S7)
S15	2	S3 AND (S10 OR S11)
S16	1	S1 AND S2 AND S3 AND S4 AND S5
S17	65	S3 AND ((S1 AND S2) OR (S4 AND S5))
S18	43	S3(S) ((S1 AND S2) OR (S4 AND S5))
S19	43	S15 OR S18
S20	41	S19 NOT PY>2002
S21	39	S20 NOT PD=20020817:20050331
S22	38	RD (unique items)

22/3,K/7 (Item 2 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
(c) 2002 The Gale Group. All rts. reserv.

09418766

Fastest Merc sportster in short supply  
AUSTRALIA: MERCEDES-BENZ TO LAUNCH AMG SLK320  
The Australian (XAA) 30 Nov 2000 p.15  
Language: ENGLISH

... 2001, Mercedes-Benz will launch its latest V6 sports model, AMG SLK320, in Australia. The fast passenger vehicle has features such as multi-function steering wheel, modified bootlid and grille, leather-covered seats and 17-inch alloys. Top speed is pegged...

... hour. Each unit is priced at AU\$ 150,000, with 20 different versions to be released in the country.

22/3,K/11 (Item 1 from file: 81)  
DIALOG(R)File 81:MIRA - Motor Industry Research  
(c) 2005 MIRA Ltd. All rts. reserv.

187346  
Are Cars Getting Too Complicated?  
WINTER D  
Wards Auto World  
March 1, 2002  
Page : 26  
Supplementary Info: Vol 38, No 03  
Collation : (5 p, 5 fig)

Document Type: JOURNAL Language: ENGLISH

Record Type: ABSTRACT

Supplier Record Type: AA

...console, which controls a monitor on the dashboard. The controller can be moved in eight separate directions or 'compass points' in accordance with the vehicle systems and seven hundred different functions...

...with the iDrive system. Don Crevier at BMW, CA reported that the technology is very easy to use during day driving. Andy Norton, Director of Product Research at GM's Business...  
...Center, stated that the recent study of entry-level luxury buyers indicates strong acceptance for steering wheels that electrically tilt and telescope. Will Boddie, Ford's Vice President of Global Core Engineering...

22/3,K/12 (Item 2 from file: 81)  
DIALOG(R)File 81:MIRA - Motor Industry Research  
(c) 2005 MIRA Ltd. All rts. reserv.

184143  
2003 Chevy Express and GMC Savana built for work new full-size vans offer major strong, smart and surprising features  
General Motors - Press Release  
March 6, 2002

Document Type: PRESS RELEASE Language: ENGLISH  
Record Type: ABSTRACT  
Supplier Record Type: Press Release

...previous bushing type provide quieter engine idle and better down-the-road feel in the steering wheel by more effectively isolating

engine vibration. Manufacturing revisions also improve the engine mounts' durability and...

...of replace it or to incorporate upgrades and service diagnostics, using a serial data link **connector**. Oil Life Monitor The new Class II electrical system supports monitoring and reporting on more...of stationary or pop-up windows. Pro / Access panels Innovative side access doors with remote **release** on new Chevy **Express** and GMC Savana Pro models allow contractors street-side access to tools and parts, saving...is quicker, with a more responsive feel than the previous integral recirculating-ball system. The **steering gear** itself also features a segment-unique mounting system for improved reliability. Heavy-duty models employ an upgraded version of their previous integral power recirculating-ball variable-ratio (13-15:1) **steering gear** to meet rigorous demands, but a completely new steering linkage with new attachment design is...

22/3,K/13 (Item 3 from file: 81)  
DIALOG(R)File 81:MIRA - Motor Industry Research  
(c) 2005 MIRA Ltd. All rts. reserv.

182594  
Pontiac Grand Am and GM Accessories offer racy appearance options  
General Motors - Press Release  
February 7, 2002

Document Type: PRESS RELEASE Language: ENGLISH  
Record Type: ABSTRACT  
Supplier Record Type: Press Release

...wheels and BFGoodrich Z-rated tires "Quick-fill" NASCAR-style recessed fuel filler cap Leather **steering wheel**, shift knob and shifter boot Alloy accelerator and brake pedals "Metal Look" trim plates for IP bezel, center console trim plate, door **release** levers and bezels, and speaker grilles

22/3,K/14 (Item 4 from file: 81)  
DIALOG(R)File 81:MIRA - Motor Industry Research  
(c) 2005 MIRA Ltd. All rts. reserv.

181188  
Mercedes-Benz C230 sports coupe  
SIMANAITIS D  
Road & Track  
January 1, 2002  
Page : 64  
Supplementary Info: 1 January 2002  
Collation : (6 p, 14 fig)

Document Type: JOURNAL Language: ENGLISH  
Record Type: ABSTRACT  
Supplier Record Type: AA

...front and side airbags with head-protection curtains, child-seat recognition, cruise control and a **steering wheel** with multi-function controls. ASR traction control and ESP are also standard, as are brake...

...rear hatch opens to give generous storage space, and by folding the rear seats and **removing** the sight-shield, the space is increased considerably. Rear-seat leg-room and headroom is...

...much preferred the optional 5-speed Touch-Shift. Overall, Road & Track fond the vehicle 'reasonably **quick**, nimble and entertaining' and was very impressed with its value for money. (JN)

22/3,K/15 (Item 5 from file: 81)  
DIALOG(R)File 81:MIRA - Motor Industry Research  
(c) 2005 MIRA Ltd. All rts. reserv.

180086

Supplier offers a stunningly minimalist concept  
LIENERT A  
www.detnews.com/autos  
January 6, 2002

Document Type: JOURNAL Language: ENGLISH

Record Type: ABSTRACT

Supplier Record Type: ABN

...Ariston is contrasted to gadget-laden production vehicles like the BMW 7-Series. The retractable steering wheel is designed to make it easy for people's entry and exit to the vehicle. Slide behind the driver's seat and the steering wheel is tucked below the instrument panel. It can be tugged on to pull it into...

...and audio controls are projected onto a clear panel below the windshield and can be removed from view with the touch of a button. Map lights come on with the stroke...

22/3,K/17 (Item 7 from file: 81)  
DIALOG(R)File 81:MIRA - Motor Industry Research  
(c) 2005 MIRA Ltd. All rts. reserv.

165420

General Motors' future on display at the Goodwood Festival of Speed; Five contemporary concept cars will be featured at the ninth-annual Motorsports Heritage event in England  
General Motors - Press Release  
May 15, 2001

Document Type: PRESS RELEASE Language: ENGLISH

Record Type: ABSTRACT

Supplier Record Type: Press Release

...most appealing aspects of the sports car and the truck, the SSR roadster sparked an immediate positive response from automotive show audiences in 2000. Borrowing styling cues from the Chevy trucks...normal roadster expectations with the ability to carry three passengers, thanks in part to the steering wheel mounted transmission control.

Concept vehicles and racers alike contribute to GM's creative leadership:  
Combining...

22/3,K/19 (Item 9 from file: 81)  
DIALOG(R)File 81:MIRA - Motor Industry Research  
(c) 2005 MIRA Ltd. All rts. reserv.

164096

Delphi honors top inventors with 'Boss' Kettering award  
Delphi - Press Release  
April 10, 2001

Document Type: PRESS RELEASE Language: ENGLISH

Record Type: ABSTRACT

Supplier Record Type: Press Release

...is applied directly to oily assembled heat exchangers, with the use of

flux necessary to remove aluminium oxide from the parts. The heat exchangers are then degreased through the superheating of the units, which removes forming oils and minimizes the contamination of the nitrogen-filled brazing environment. Through this unique...

...the fluxed parts are thermally degreased concurrently with the braze oven preheating process, eliminating a separate degreasing step and apparatus, and increasing flux retention. The end result is a higher-quality...

...Delphi Interior Systems. This innovative design permits the driver airbag module to snap into the steering wheel without any conventional fasteners or assembly tools. The design provides for a secure attachment in a quick, low-force manner that dramatically reduces the time and effort needed to install airbags, thereby...

22/3,K/20 (Item 10 from file: 81)  
DIALOG(R)File 81:MIRA - Motor Industry Research  
(c) 2005 MIRA Ltd. All rts. reserv.

162341  
Mazda unveils MX Sport Tourer at Geneva Motor Show  
Asia Pacific Automotive Report  
March 8, 2001

Document Type: JOURNAL Language: ENGLISH  
Record Type: ABSTRACT  
Supplier Record Type: ABN

...engine and an electrically controlled rear-wheel-drive electric motor. By using a 'Zoom-Zoom' steering wheel switch, drivers can experience fast and safe acceleration. The MX Sport Tourer has a freestyle door system, flexible seat functions...

...system that reacts to an ID card that is simple and convenient for safe and easy use. An electrically powered pop-up display incorporates an easy-to-read 10.4-inch screen. It can be removed and used as a cordless device (with Blue-tooth standards) for easy Internet access or e-mailing. (IIPD)

22/3,K/21 (Item 11 from file: 81)  
DIALOG(R)File 81:MIRA - Motor Industry Research  
(c) 2005 MIRA Ltd. All rts. reserv.

161123  
The New Opel Astra Cabrio - all-weather, all-year fun for four; standard electric soft top with optional remote control  
General Motors - Press Release  
February 27, 2001

Document Type: PRESS RELEASE Language: ENGLISH  
Record Type: ABSTRACT  
Supplier Record Type: Press Release

...remote-control central locking, additional convenient features include power windows at the front and rear, easy-entry sport seats with memory function at the front and height/reach adjustment for the steering wheel. The particularly luxurious 'Bertone Edition' also comes with the remote control function for the soft...

22/3,K/36 (Item 6 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)

00493568 DA

TITLE: SAFETY IN NUMBERS

AUTHOR(S): Gilleland, K

CORPORATE SOURCE: Insurance Information Institute, 110 William Street, New York, NY , 10038,

REPORT NUMBER: HS-040 274

JOURNAL: Insurance Review (New York) Vol: 53 Issue Number: 7 Pag: pp 22-24

PUBLICATION DATE: 19870700 PUBLICATION YEAR: 1987

LANGUAGE: English SUBFILE: HSL; HRIS (S 9001; H 9002)

ISSN: 07498667

AVAILABILITY: Insurance Information Institute; 110 William Street ; New York; NY ; 10038

DATA SOURCE: National Highway Traffic Safety Administration

...ABSTRACT: of the drivers of GM cars use their seat belts because their design makes them **easy to disconnect** . Many insurance firms encourage the use of seat belts, not by offering discounts, but by...

...article points out additional recent technological advances which are making cars safer, including **energy-absorbing steering wheels** , high-mounted brake lights and plastic-lined windshields.

22/AA,AN,TI/1 (Item 1 from file: 35)  
DIALOG(R)File 35:(c) 2005 ProQuest Info&Learning. All rts. reserv.

0992062  
RESPONSE, STABILITY, AND DRIVER CONTROL OF A REAR WHEEL STEERING VEHICLE

22/AA,AN,TI/2 (Item 1 from file: 8)  
DIALOG(R)File 8:(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

03560491  
E.I. Monthly No: EIM9302-008920  
Title: Non-CFC microcellular polyurethanes.

22/AA,AN,TI/3 (Item 1 from file: 94)  
DIALOG(R)File 94:(c)2005 Japan Science and Tech Corp(JST). All rts. reserv.

05044096 JICST ACCESSION NUMBER: 02A0004775  
A Case of Traumatic Injury to the Superior Mesenteric Artery.

22/AA,AN,TI/4 (Item 2 from file: 94)  
DIALOG(R)File 94:(c)2005 Japan Science and Tech Corp(JST). All rts. reserv.

02695914 JICST ACCESSION NUMBER: 95A0909549  
Development of cultivation robot. Development of test rolling stock and work software. (Bio-oriented Technology Res. Advancement Inst. S ).

22/AA,AN,TI/5 (Item 3 from file: 94)  
DIALOG(R)File 94:(c)2005 Japan Science and Tech Corp(JST). All rts. reserv.

01401315 JICST ACCESSION NUMBER: 91A0770211  
Transduodenal Intraductal Cannulation for Traumatic Pancreatic Head Disruption Without Primary Repair of the Pancreatic Duct. Report of a Case.

22/AA,AN,TI/6 (Item 1 from file: 583)  
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

09635597  
GM's in-car OnStar service to be profitable in 2003  
US: GM expects OnStar telematics profits by 2003

22/AA,AN,TI/7 (Item 2 from file: 583)  
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

09418766  
Fastest Merc sportster in short supply  
AUSTRALIA: MERCEDES-BENZ TO LAUNCH AMG SLK320

22/AA,AN,TI/8 (Item 3 from file: 583)  
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

06514017  
Cell phone uses LCD touch panel  
JAPAN: PIONEER RELEASES HANDSFREE CELLULAR PHONE

22/AA,AN,TI/9 (Item 1 from file: 2)  
DIALOG(R)File 2:(c) 2005 Institution of Electrical Engineers. All rts.  
reserv.

Title: A driving robot for autonomous vehicles on extreme courses

22/AA,AN,TI/10 (Item 2 from file: 2)  
DIALOG(R)File 2:(c) 2005 Institution of Electrical Engineers. All rts.  
reserv.

Title: An information database for VRML cities

22/AA,AN,TI/11 (Item 1 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

187346

Are Cars Getting Too Complicated?

22/AA,AN,TI/12 (Item 2 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

184143

2003 Chevy Express and GMC Savana built for work new full-size vans offer  
major strong, smart and surprising features

22/AA,AN,TI/13 (Item 3 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

182594

Pontiac Grand Am and GM Accessories offer racy appearance options

22/AA,AN,TI/14 (Item 4 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

181188

Mercedes-Benz C230 sports coupe

22/AA,AN,TI/15 (Item 5 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

180086

Supplier offers a stunningly minimalist concept

22/AA,AN,TI/16 (Item 6 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

175799

Automotive suppliers form Safe-by-Wire consortium to create safety bus  
standard

22/AA,AN,TI/17 (Item 7 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

165420

General Motors' future on display at the Goodwood Festival of Speed; Five  
contemporary concept cars will be featured at the ninth-annual Motorsports

Heritage event in England

22/AA,AN,TI/18 (Item 8 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

164799  
Vauxhall announces prices for Astra Convertible

22/AA,AN,TI/19 (Item 9 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

164096  
Delphi honors top inventors with 'Boss' Kettering award

22/AA,AN,TI/20 (Item 10 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

162341  
Mazda unveils MX Sport Tourer at Geneva Motor Show

22/AA,AN,TI/21 (Item 11 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

161123  
The New Opel Astra Cabrio - all-weather, all-year fun for four; standard electric soft top with optional remote control

22/AA,AN,TI/22 (Item 12 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

159756  
Toyota releases Corolla Runx and Allex compact models

22/AA,AN,TI/23 (Item 13 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

159383  
Lexus introduces two new IS 300 models in Detroit

22/AA,AN,TI/24 (Item 14 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

159056  
The Cabrio for all seasons

22/AA,AN,TI/25 (Item 15 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

155290  
The new Fiat Palio, Fiat Palio Weekend and Fiat Siena

22/AA,AN,TI/26 (Item 16 from file: 81)  
DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

145336  
The world's most advanced crash simulator

22/AA,AN, TI/27 (Item 1 from file: 144)  
DIALOG(R)File 144:(c) 2005 INIST/CNRS. All rts. reserv.

14704932 PASCAL No.: 00-0380307  
A comprehensive program to improve safety for pregnant women and fetuses  
in motor vehicle crashes: A preliminary report. Discussion

22/AA,AN, TI/28 (Item 2 from file: 144)  
DIALOG(R)File 144:(c) 2005 INIST/CNRS. All rts. reserv.

14220196 PASCAL No.: 99-0421314  
Safety and environmental aspects of computers based training (CBT) :  
Interactive programs application for students and engine room officers  
Conference on maritime education and training : Rijeka-Opatija, 18-21 May  
1999. Volume 1

22/AA,AN, TI/29 (Item 1 from file: 323)  
DIALOG(R)File 323: (c) 2005 RAPRA Technology Ltd. All rts. reserv.

00859357  
TITLE: MAGNESIUM MOULDING GAINS GROUND GLOBALLY

22/AA,AN, TI/30 (Item 2 from file: 323)  
DIALOG(R)File 323: (c) 2005 RAPRA Technology Ltd. All rts. reserv.

00833773  
TITLE: EIGHT-COLOUR LID PRINTING MACHINE WITH FAST CHANGEOVER

22/AA,AN, TI/31 (Item 1 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

00804150  
TITLE: MANOEUVABILITY CHARACTERISTICS OF CARS OPERATED BY JOYSTICKS: A  
MANOEUVERING TEST

22/AA,AN, TI/32 (Item 2 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

00795093  
TITLE: A GREENER CELL

22/AA,AN, TI/33 (Item 3 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

00649281  
TITLE: MARINE ACCIDENT REPORT: GROUNDING OF UNITED STATES TANKSHIP SS  
MOBILIOIL, IN THE COLUMBIA RIVER, NEAR SAINT HELENS, OREGON, MARCH 19,  
1984

22/AA,AN, TI/34 (Item 4 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

00608515  
TITLE: AIR BAG ETIQUETTE

22/AA,AN, TI/35 (Item 5 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

00493572  
TITLE: HIGHWAY ACCIDENT/INCIDENT SUMMARY REPORT, LARGO, MARYLAND--SEPTEMBER  
6, 1985

22/AA,AN, TI/36 (Item 6 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

00493568  
TITLE: SAFETY IN NUMBERS

22/AA,AN, TI/37 (Item 7 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

00394097  
TITLE: LIMITS AND RELIABILITY OF THEORETICAL EVALUATION OF VEHICLE LATERAL  
DYNAMICS. PROCEEDINGS ENTITLED "THE DYNAMICS OF VEHICLES ON ROADS AND  
ON RAILWAY TRACKS"

22/AA,AN, TI/38 (Item 8 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

00317474  
TITLE: SAFETY ASPECTS OF SHIPS' STEERING GEAR

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?show files;ds
File 15:ABI/Inform(R) 1971-2005/Mar 01
      (c) 2005 ProQuest Info&Learning
File 9:Business & Industry(R) Jul/1994-2005/Feb 28
      (c) 2005 The Gale Group
File 80:TGG Aerospace/Def.Mkts(R) 1982-2005/Mar 01
      (c) 2005 The Gale Group
File 47:Gale Group Magazine DB(TM) 1959-2005/Feb 25
      (c) 2005 The Gale group
File 16:Gale Group PROMT(R) 1990-2005/Mar 01
      (c) 2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
      (c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2005/Mar 01
      (c) 2005 The Gale Group
File 98:General Sci Abs/Full-Text 1984-2004/Dec
      (c) 2005 The HW Wilson Co.
File 624:McGraw-Hill Publications 1985-2005/Mar 01
      (c) 2005 McGraw-Hill Co. Inc
File 484:Periodical Abs Plustext 1986-2005/Feb W3
      (c) 2005 ProQuest
File 482:Newsweek 2000-2005/Feb 23
      (c) 2005 Newsweek, Inc.
File 483:Newspaper Abs Daily 1986-2005/Feb 26
      (c) 2005 ProQuest Info&Learning
File 141:Readers Guide 1983-2004/Sep
      (c) 2004 The HW Wilson Co
File 646:Consumer Reports 1982-2005/Feb
      (c) 2005 Consumer Union
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Set	Items	Description
S1	6574184	QUICK OR FAST OR RAPID OR INSTANT OR EMERGENCY OR SPEEDY OR EASY OR EZ OR IMMEDIATE?? OR EXPRESS
S2	6557953	RELEAS? OR REMOV? OR DISCONNECT? OR SEPARAT??? OR SEPARABLE OR SEPARATEABLE OR DISJOIN? OR UNFASTEN??? OR BREAKAWAY OR B-REAK???()AWAY OR DETACH? OR UNDO???
S3	28229	(STEERING OR HAND) () (WHEEL? ? OR APPARATUS OR GEAR) OR STEERINGWHEEL? ? OR HANDWHEEL? ?
S4	418480	ADAPT?R OR CONVERT?R OR FITTING OR CONNECT?R
S5	7900	((NON OR "NOT") () STANDARD) OR SIX OR 6 OR NINE OR 9) () (STUD? ? OR NUT? ? OR RIVET? ? OR BOLT? ? OR SCREW? ? OR PIN OR -PINS)
S6	59686	S1(2N)S2
S7	1323	S4(10N)S5
S8	0	S3(S)S6(S)S7
S9	100351	S1(5N)S2
S10	1549	S4(20N)S5
S11	0	S3(S)S9(S)S10
S12	28	S3(10N) (S6 OR S7)
S13	38	S3(10N) (S9 OR S10)
S14	37	S13 NOT PY>2002
S15	35	S14 NOT PD=20020817:20050331
S16	27	RD (unique items)

16/3,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

00728196 93-77417  
Plastics: Performing in Tough Spots  
Babyak, Richard J.  
Appliance Manufacturer v40n8 PP: 34-37 Aug 1992  
ISSN: 0003-679X JRNL CODE: APL  
WORD COUNT: 1120

...TEXT: Radel is used for the inlet and outlet valves, face piece clamp, head harness buckles, quick disconnect coupling and hanger, mixing chamber and air cylinder handwheel .

"Radel allows us to meet the most stringent National Fire Protection Association requirement with the...

16/3,K/2 (Item 1 from file: 80)  
DIALOG(R)File 80:TGG Aerospace/Def.Mkts(R)  
(c) 2005 The Gale Group. All rts. reserv.

01282454 Supplier Number: 42890742  
Gunning further afield  
Jane's Defence Weekly, v17, n14, p575-576  
April 4, 1992  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:

...system. Several improvements are incorporated into the PT01 over the original design, including a traverse quick release mechanism, low friction traverse pads, larger diameter handwheels, gimbal release and break-away brake. The company is now actively marketing the LTH in...

16/3,K/5 (Item 3 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2005 The Gale group. All rts. reserv.

03944080 SUPPLIER NUMBER: 13990112 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Playtoy. (Bob Taylor's customized 1941 Ford F-1 truck)  
Ludel, Moses  
Off Road, v27, n8, p54(3)  
August, 1993  
ISSN: 0363-1745 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1026 LINE COUNT: 00078

... A Rancho RS5000 steering stabilizer shock helps keep the truck on track, while a Coleman quick - release steering wheel adds a measure of safety.

The Ron Davis aluminum racing radiator features a custom-made...

16/3,K/6 (Item 4 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2005 The Gale group. All rts. reserv.

03886120 SUPPLIER NUMBER: 13857621 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
The great pretender: how stock is stock? (1993 Chevrolet Lumina stock racing car)  
Baskerville, Gray  
Hot Rod, v46, n3, p74(4)  
March, 1993

ISSN: 0018-6031 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1531 LINE COUNT: 00116

... contains liquid-filled Auto Meter gauges and a GM memory 10,000-rpm tach. A quick - release foam-covered 14-inch steering wheel is placed in front of the large bucket seat trimmed in black suede by Butler...

16/3,K/10 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

07082968 Supplier Number: 59701008 (USE FORMAT 7 FOR FULLTEXT)  
ThrustMaster NASCAR Pro Digital Racing Wheel. (Evaluation)  
Quain, John R.  
Computer Shopper, p161  
April, 2000  
Language: English Record Type: Fulltext  
Article Type: Evaluation  
Document Type: Magazine/Journal; Trade  
Word Count: 293

... although there wasn't quite enough travel in the brake pedal for our liking. The steering wheel 's two quick - release clamps keep it fastened to a desk for all but the most aggressive drivers, and...

16/3,K/13 (Item 6 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group..All rts. reserv.

06875447 Supplier Number: 57903186 (USE FORMAT 7 FOR FULLTEXT)  
Doing It All.  
Constantino, Darren  
Pit & Quarry, v92, n5, p50  
Nov, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 931

... Additionally, an electronically controlled transmission enables the operator to shift gears quickly and easily without releasing the steering wheel . This enables instant , positive gear changes with minimal effort - to eliminate the fatigue caused by constant shifting, without...

16/3,K/14 (Item 7 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

04472732 Supplier Number: 46566147 (USE FORMAT 7 FOR FULLTEXT)  
Euchner-USA MANUAL PULS E GENERATOR with optional Pendant Station  
News Release, pN/A  
July 23, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 257

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
...interfaces offer a solution for most of the potential users. Connections offered are screw terminal, 9 pin sub-D connector or ribbon cable. The Euchner-USA handwheel is a precise detent, which is absolutely wear

free and insensitive to vibrations, supports more...

16/3,K/19 (Item 3 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

06214196 SUPPLIER NUMBER: 12852015 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Performing in tough spots. (resins endure heat, weather, chemicals and  
stress) (includes related article)  
Babyak, Richard J.  
Appliance Manufacturer, v40, n8, p34(4)  
August, 1992  
ISSN: 0003-679X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1467 LINE COUNT: 00123

... Atlanta. Radel is used for the inlet and outlets valves, facepiece  
clamp, head harness buckles, quick disconnect coupling and hanger,  
mixing chamber and air cylinder handwheel .

"Radel allows us to meet the most stringent National Fire Protection  
Association requirement with the...

16/3,K/21 (Item 1 from file: 624)  
DIALOG(R)File 624:McGraw-Hill Publications  
(c) 2005 McGraw-Hill Co. Inc. All rts. reserv.

01184251  
Adrenaline And Squealing Tires: Amateur road races are serving a new breed  
of competitor  
By Robert Berner

Business Week, Number 3742, Pg 88  
July 23, 2001  
JOURNAL CODE: BW  
SECTION HEADING: BusinessWeek Lifestyle: Racing ISSN: 0007-7135  
WORD COUNT: 973

TEXT:

...this year, about usual for the race. David Le Sage, 50, had one when his  
quick - release steering wheel came off in his hands as the \$150,000  
race-modified Porsche he drove exited...

SPECIAL FEATURE:  
...times on public roads that are closed off for these events  
Photograph: OFF ROAD  
The quick - release steering wheel on this Porsche came off mid-race  
...

16/3,K/23 (Item 2 from file: 484)  
DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2005 ProQuest. All rts. reserv.

01042841 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
Cheap Thrills  
Markovich, Bob  
Home Mechanix (GHMX), v88 n764, p78-85, p.6  
Apr 1992  
ISSN: 8755-0423 JOURNAL CODE: GHMX  
DOCUMENT TYPE: Product Review-Comparative  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1689 LENGTH: Long (31+ col inches)

TEXT:

... differential, which reduces front-wheel spin during fast takeoffs. Other Nissan features include an adjustable steering wheel with built-in cruise controls, head restraints that are easy to remove and adjust, and auto-down window buttons placed conveniently next to the door latches. On...

16/3,K/24 (Item 1 from file: 483)  
DIALOG(R)File 483:Newspaper Abs Daily  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

05549415

When Things Get Out of Hand, These Cars Take Over

Moran, Tim

New York Times, Sec G, p 14, col 1

May 19, 1999

ISSN: 0362-4331 NEWSPAPER CODE: NY

DOCUMENT TYPE: News; Newspaper

LANGUAGE: English RECORD TYPE: ABSTRACT

LENGTH: Long (18+ col inches)

...ABSTRACT: formula to avoid trouble. The systems, for instance, can turn a car without touching the steering wheel, by braking or releasing each wheel in rapid pulses. The driver still chooses where to go, but the car can't be thrown...

16/AA,AN,TI/1 (Item 1 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

00728196 93-77417  
Plastics: Performing in Tough Spots

16/AA,AN,TI/2 (Item 1 from file: 80)  
DIALOG(R)File 80:(c) 2005 The Gale Group. All rts. reserv.

01282454 Supplier Number: 42890742  
Gunning further afield

16/AA,AN,TI/3 (Item 1 from file: 47)  
DIALOG(R)File 47:(c) 2005 The Gale group. All rts. reserv.

05035969 SUPPLIER NUMBER: 20070285  
Metal meets water. (aluminum sports fishing boats)

16/AA,AN,TI/4 (Item 2 from file: 47)  
DIALOG(R)File 47:(c) 2005 The Gale group. All rts. reserv.

04459207 SUPPLIER NUMBER: 18086010  
Hot 'n' dusty. ((1996 Trophy Truck competition))

16/AA,AN,TI/5 (Item 3 from file: 47)  
DIALOG(R)File 47:(c) 2005 The Gale group. All rts. reserv.

03944080 SUPPLIER NUMBER: 13990112  
Playtoy. (Bob Taylor's customized 1941 Ford F-1 truck)

16/AA,AN,TI/6 (Item 4 from file: 47)  
DIALOG(R)File 47:(c) 2005 The Gale group. All rts. reserv.

03886120 SUPPLIER NUMBER: 13857621  
The great pretender: how stock is stock? (1993 Chevrolet Lumina stock racing car)

16/AA,AN,TI/7 (Item 5 from file: 47)  
DIALOG(R)File 47:(c) 2005 The Gale group. All rts. reserv.

03727446 SUPPLIER NUMBER: 12141269  
The great mini-van comparison. (six minivans) (Evaluation)

16/AA,AN,TI/8 (Item 1 from file: 16)  
DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

08756307 Supplier Number: 75647446  
High-temperature-resistant valves. (Brief Article)

16/AA,AN,TI/9 (Item 2 from file: 16)  
DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

07382080 Supplier Number: 60808356  
3-axis, noncontact inspection. (Brief Article) (Product Announcement)

16/AA,AN,TI/10 (Item 3 from file: 16)

DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

07082968 Supplier Number: 59701008  
ThrustMaster NASCAR Pro Digital Racing Wheel. (Evaluation)

16/AA,AN,TI/11 (Item 4 from file: 16)

DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

07012247 Supplier Number: 59276315  
Mazda NEXTOURER Concept Makes North American Debut.

16/AA,AN,TI/12 (Item 5 from file: 16)

DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

06926795 Supplier Number: 58534761  
Mazda RX-EVOLV Concept Makes Debut at North American International Auto Show; Rotary-Powered Four-Door Sports Car Showcases Mazda's Future Vision.

16/AA,AN,TI/13 (Item 6 from file: 16)

DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

06875447 Supplier Number: 57903186  
Doing It All.

16/AA,AN,TI/14 (Item 7 from file: 16)

DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

04472732 Supplier Number: 46566147  
Euchner-USA MANUAL PULS E GENERATOR with optional Pendant Station

16/AA,AN,TI/15 (Item 8 from file: 16)

DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

02687371 Supplier Number: 43587036  
Belt drive designed for fast belt changes

16/AA,AN,TI/16 (Item 1 from file: 160)

DIALOG(R)File 160:(c) 1999 The Gale Group. All rts. reserv.

02167773  
DELTA UNVEILS 8-1/4" BENCH SAW

16/AA,AN,TI/17 (Item 1 from file: 148)

DIALOG(R)File 148:(c) 2005 The Gale Group. All rts. reserv.

10422436 SUPPLIER NUMBER: 21054159  
George Fischer, Inc..21054159/vv162/pps13(1)/1CANAM19980825/tGeorge Fischer, Inc.

16/AA,AN,TI/18 (Item 2 from file: 148)

DIALOG(R)File 148:(c) 2005 The Gale Group. All rts. reserv.

07615215 SUPPLIER NUMBER: 16348657  
Packaging equipment. (Industry Overview)

16/AA,AN, TI/19 (Item 3 from file: 148)  
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

06214196 SUPPLIER NUMBER: 12852015  
Performing in tough spots. (resins endure heat, weather, chemicals and  
stress) (includes related article)

16/AA,AN, TI/20 (Item 4 from file: 148)  
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

05424707 SUPPLIER NUMBER: 11103294  
Thrusters improved by change of bearing. (Sweden) (KaMeWa offers new  
design)

16/AA,AN, TI/21 (Item 1 from file: 624)  
DIALOG(R)File 624:(c) 2005 McGraw-Hill Co. Inc. All rts. reserv.

01184251  
Adrenaline And Squealing Tires: Amateur road races are serving a new breed  
of competitor

16/AA,AN, TI/22 (Item 1 from file: 484)  
DIALOG(R)File 484:(c) 2005 ProQuest. All rts. reserv.

04039915  
This is not your grandfather's wheelchair!

16/AA,AN, TI/23 (Item 2 from file: 484)  
DIALOG(R)File 484:(c) 2005 ProQuest. All rts. reserv.

01042841  
Cheap Thrills

16/AA,AN, TI/24 (Item 1 from file: 483)  
DIALOG(R)File 483:(c) 2005 ProQuest Info&Learning. All rts. reserv.

05549415  
When Things Get Out of Hand, These Cars Take Over

16/AA,AN, TI/25 (Item 1 from file: 141)  
DIALOG(R)File 141:(c) 2004 The HW Wilson Co. All rts. reserv.

H.W. WILSON RECORD NUMBER: BRGA99056527  
Lotus Elise Sport 190.

16/AA,AN, TI/26 (Item 1 from file: 646)  
DIALOG(R)File 646:(c) 2005 Consumer Union. All rts. reserv.

00004130  
ROAD TEST (Type: Family sedans. Price level: \$18,000 to \$25,000 Models  
tested: Dodge Intrepid ES, Pontiac Grand Prix GT, Buick Regal Gran Sport,  
Oldsmobile Cutlass Supreme SL Best alternatives: Chrysler Concorde, Eagle  
Vision, Ford Taurus, Honda Accord, Mercury Sable, Toyota Camry)

16/AA,AN, TI/27 (Item 2 from file: 646)  
DIALOG(R)File 646:(c) 2005 Consumer Union. All rts. reserv.

00001324

Road tests: Toyota Corolla, Honda Civic, Volkswagen Jetta, Subaru GL



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- **Steering Wheel Adapter**

All kinds of Components on sale! Wide selection and more -aff  
[eBay.com](http://eBay.com)

## WEB RESULTS by Go glc (Showing Results 1 - 20 of 49)

### 1. Sparco Racer Steering Wheel

... the **steering** column and a **quick release** mechanism that ... reversible is to sacrifice another Miata **steering wheel**. ... a 3 hole pattern, special **adapter** plates were ...

[www.miata.net/products/swknobs/sparco\\_racer.html](http://www.miata.net/products/swknobs/sparco_racer.html) - 7 KB

### 2. SnapOff

... SnapOff **quick release steering wheel** system from [www.tekniauto.com](http://www.tekniauto.com) in Canada ... plus for me (as a tall driver) is that the unit and required Momo **adapter** ring has ...

[www.miata.net/products/swknobs/snapoff.html](http://www.miata.net/products/swknobs/snapoff.html) - 3 KB

### 3. Maxim Inc. Online

... GH-1210002, TOP WING, \$600.00, GP-1150001, WATER TEMP GAUGE **ADAPTER**, \$3.28, ... KS-1090005-1, KSE **STEERING GEAR W/QUICK RELEASE** LT. ... LP-1090011, **STEERING WHEEL** 15", ...  
[www.racemaxims.com/webapp/parts.html](http://www.racemaxims.com/webapp/parts.html) - 101 KB

### 4. Finish Line Inc.--Moto-Lita premium steering wheel importers.

... GAS CAP: Polished aluminum. Roller-latch type with **quick release** action...\$144. ... 6-bolt Boss **adapter**, Ford **or** GM ...\$108. **Steering wheel** center caps. ...  
[www.cobracountry.com/finishline/finishline-pricelist.html](http://www.cobracountry.com/finishline/finishline-pricelist.html) - 53 KB

### 5. Quick release boss Steering wheel boss Ratttnay Snabbutlösningar...

... Here are some **Quick release** boss kits. You may need an **adapter** between the boss and **steering wheel**, so you get the right bolt pattern. ...  
[www.dalhems.com/stylingsidor/quickbos1.html](http://www.dalhems.com/stylingsidor/quickbos1.html) - 4 KB

### 6. Pantera Parts Connection: Specials.

... 155.00. 03004S, **Steering wheel** hub LeCarra w/ T emblem\*\*, 63.95, 59.00. 03001H, **Adapter**, **Steering Wheel Quick release**, 324.50, 299.00. 03031C, ...  
[www.panteraparts.com/specials.html](http://www.panteraparts.com/specials.html) - 101 KB

### 7. Inflatable Boat Specialists - Sevylor Accessories

... Halkey-Roberts Valve Fill **Adaptor**: ... **Quick-release** buckles simplify replacement of container. ... Kit includes pedestal frame, 13' **steering wheel**,

## Sparco Racer Steering Wheels

Reviewed by: mike wassel - [mjwassel@we.mediaone.net](mailto:mjwassel@we.mediaone.net)

3 spoke Flat 350 mm Dia. competition steering wheel  
Alcantara synthetic suede grip with twin horn buttons

Sparco does not manufacture wheel hub adapters, however the six bolt pattern on the steering wheel is the same as a Momo hub adapter. There are several detailed descriptions of the Momo hub adapter installation in the miata net garage.

<http://miata.net/garage/momowheel.htm>

Check it out. This is the same basic procedure I followed. The only real difference in my own install was to have my machinist mill the hub adapter to allow the clock spring's harness to pass through the adapter rather than modifying the clock spring itself. ( This will make more sense after looking at the photos at the above url.) Wiring the two horn buttons is slightly different from the example, but still very simple. Because of the smaller diameter of the new wheel, I used Momo's eccentric wheel spacer between the hub adapter and the steering wheel. Depending on which direction the eccentric is installed, it will either raise or lower the wheel by 10 mm. Setting it up to raise the wheel allowed me to clearly see all of my gauges, and a nice side effect, from the additional thickness of the spacer, placed the new wheel in the same plane as the stock steering wheel. No change to my driving position was necessary. My hands rest comfortably on the new wheel exactly where they should, and the horn buttons are in easily reach without removing your hand from the wheel.

The finish of this product is excellent. The Alcantara's consistency and durability is far superior to any of the natural suede competition wheels I looked at. ( including other Sparco wheels ) I chose the classic black/black combination but the grip is also available in red or blue, and the spokes in black or blue. As far as I know this is the only competition wheel on the market using synthetic suede for the grip.

The finished installation really looks good. A nice complement to the tan interior.

Highly recommended.

---

## Sparco Racer Steering Wheel w/Troyer disconnect

Reviewed by: Tak Yamamoto - [tyamamot@apcc.com](mailto:tyamamot@apcc.com)

350mm steering wheel. Available in varied colors and leathers. Comes with 2 horn buttons.

Troyer quick disconnect.

The steering wheel is great. It's not cheap and it shows in the quality of construction. It's much smaller in diameter and now I can't see the top of the guages. Theoretically it should be harder to steer the car, but with power steering I haven't noticed any additional difficulty steering.

Time & money consuming install. If you want to replace the steering wheel you will need a steering wheel adapter, but I hear these are hard to get.

I went one step further and decided to use a quick release from Troyer. The Troyer has 2

parts to it, a hex shaft that is supposed to weld to the steering column and a quick release mechanism that attaches to a steering wheel. The only way to make this installation reversible is to sacrifice another Miata steering wheel. The splines off the original wheel were welded into the troyer shaft, and then a special bolt was made to attach to the steering shaft. Since the Sparco has a 6 hole pattern and the Troyer a 3 hole pattern, special adapter plates were fabricated to mate the two.

---

## Sparco Racer Steering Wheel

Reviewed by: **Tak Yamamoto - [tyamamot@apcc.com](mailto:tyamamot@apcc.com)**

A smaller 350mm diameter steering wheel. High quality. Available in leather or suede in red, blue, or black. There is no central airhorn button, they are on the spokes. This is not suitable for the Miata in most cases.

I used a quick disconnect as well so I can remove the steering wheel from the car. It took \$125 atop the \$220 for the wheel itself and several hours to adapt the steering wheel to the QD.

I also moved my airhorn button to the dashboard because the wheel is no longer permanently attached.

A great product but it will permanently alter your car to install. I cannot see the turn signal arrows and the top of my guages anymore. I wouldn't recommend you use this version of wheel for it truly is for racing purposes.

Difficult to remove without leaving damage

---

[Back to Product Reviews](#)

15 November, 1998

## OEM parts price list

Call toll-free (888) 436-9113  
to order 30-page color catalog \$5 (FREE with your order)

**AC PEDALS.** Cast alloy with AC logo engraved--non-slip rubber grommets included, OEM set of two....\$24

**COBRA AIR CLEANER ASSEMBLY.** Cast aluminum with raised letters for single quad carb.  
Includes air cleaner element...\$87; element only...\$19

**AIR CLEANER.** Stellings & Hellings air cleaners--perfect reproduction of the 8" original cleaner.  
Chromed with a washable foam element, element cover and hardware, OEM on 427 cars...\$65

**AIR CLEANER K&N washable element.** Provides better airflow, minimum restriction, maximum  
filtration and very long filter life. Fits Stellings & Hellings air cleaners.... \$55

**ASHTRAY, chromed.** Made to original specs, use on 289 & 427 street cars. Each...\$59

**BRAKE AIR-VENT COVERS.** Popular cover for the brake vents up front. Made of aluminum. Nice  
touch. Pair....\$24

**BRAKE LINES.** Complete line system includes all stainless-steel braided lines with Teflon core in  
no. 4AN, to feed from master cylinders to each caliper. Includes all fittings, crush washer, junction  
boxes and adapters. Fits any 90" wheel base Cobra. Fully assembled and pre-cut...\$395

### BUMPER OUTFITTING

**BUMPER ATTACHMENT HARDWARE.** Polished stainless-steel sleeves, with the proper front  
(oval) and rear (round) grommets, to cover body holes.

GROMMETS: front. Each.....\$5

GROMMETS: rear. Each.....\$4

SLEEVE, SS. Front, 11". Each...\$8

SLEEVE, SS Rear, 7". Each.....\$6

**METRIC THREADED ROD.** 10mm, one meter in length, need two for setup. Each...\$19

**BUMPER JACK PADS.** Fitted in race cars (427SC and 289FIA) for quick lifting on pit stops. OEM  
type. Front or rear. Each...\$50

**BUMPER, NUDGE BAR,** front. Polished stainless-steel to OEM specs and has lateral ears which  
provide attachment to the overriders. Fits originals and/or reproductions...\$240

**BUMPER, NUDGE BAR,** rear. Polished stainless-steel. Sleeves are welded to be attached to  
overriders studs. Mounted between body and overriders...\$260

**BUMPERS, OVERRIDERS.** Chrome on brass, used on front or rear. Each...\$80

**CLUTCH SLAVE CYLINDER.** Has bracket to be bolted onto bellhousing. Each...\$145

**CAR COVER.** Soft flannel on the inside. Perfect fit...\$185

rubber grommets and polished stainless-steel bezel with installation hardware. Bezel kit complete...\$96

**OEM-type grommets.** Each...\$8

**SEATBELTS.** Cam-lock 5-point, pull-down. Each...\$165

**Latch type 5-point pull down.** Each...\$135

**SEATBELTS--escutcheon plate.** Chrome-plated finish to be placed where your seatbelts are fed from the trunk. Each...\$45

**SHIFTER.** Two different models of shifter levers. Fitted in 289 and 427 cars. They are chromed with nonfunctional lockout. 289 Tremec T-5...\$129

289 toploader...\$139

427 Tremec T-5 ...\$149

427 toploader...\$159

ring, SS polished...\$55

ring & boot--stamped, chromed ring ...\$38

rubber boot ...\$49

**SHIFTER KNOB, OEM on 427 cars.** Black, also available in walnut...\$25

**STEERING WHEELS. Moto-Lita.** Original handcrafted British wheel AC Cobra OEM. Split spokes, 16" only...\$406

**COBRA OEM fit wheel.** Laminated maghogany and birch, or black leather-wrapped. Either 6-bolt or 9-bolt...\$185

**Shelby Mustang steering wheel.** Solid maghogany, polished spokes. Available only in 15" ...\$279

**Steering wheel Boss adapters.** Cobra OEM barrel hub ...189

9-bolt either Ford or GM adapters ...\$71

6-bolt Boss adapter, Ford or GM ...\$108

Steering wheel center caps. AC Center Cap ...\$55

Cobra OEM in Silver & Black ...\$55

Cobra OEM, Red, White & Blue ...\$55

Cobra 35mm color center emblem ...\$6

## **SWITCHES**

**Lucas 2-position toggle switch.** Used for running lights, electric fans, fuel pump, off/on.

## SHIFTER KNOB, OEM [www.cobracountry.com](http://www.cobracountry.com) - JavaScript Application] X

### STEERING WHEELS. M

COBRA OEM fit wheel 

The server indicates that the page was last modified: Monday, August 05, 2002 17:19:27

16" only...\$406

or 9-bolt...\$185

Shelby Mustang stee



79

Steering wheel Boss

9-bolt either Ford or GM adapters ...\$71

6-bolt Boss adapter, Ford or GM ...\$108

Steering wheel center caps. AC Center Cap ...\$55

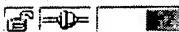
Cobra OEM in Silver & Black ...\$55

Cobra OEM, Red, White & Blue ...\$55

Cobra 35mm color center emblem ...\$6

### SWITCHES

Lucas 2-position toggle switch. Used for running lights, electric fans, fuel pump, off/on. Each...\$8.80



# Snabbfäste ratt / Quick release steering bosses

Här är några snabbfästen till rattar och adapter till snabbfäste. Du kanske behöver en adapter mellan snabbfästet och ratten, så att bultmönstret stämmer. bultcirkeln på dessa är 44mm. Det finns snabbfästen på lager.

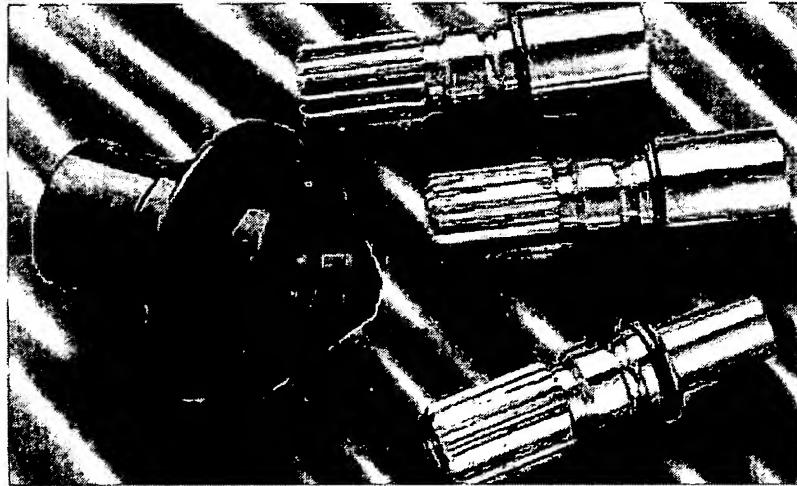
Here are some Quick release boss kits. You may need an adapter between the boss and steering wheel, so you get the right bolt pattern. The bolt circle on these are 44mm. We have some adapter plates in stock.

## Ordinary boss kits / vanliga rattnav

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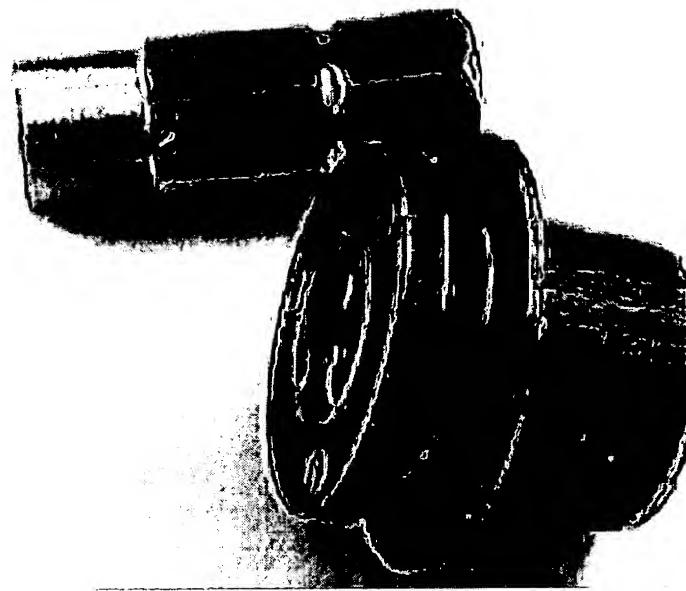
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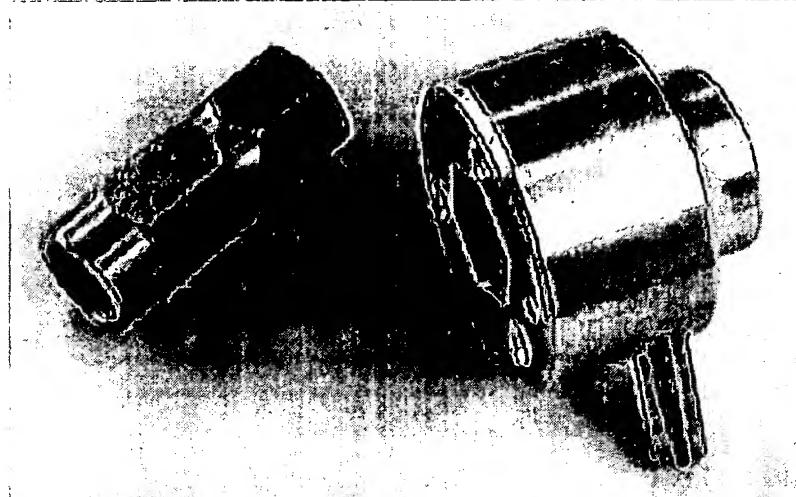
#RD8620 Snabbfäste ratt splines 15.9mm Inner diam. Pris 1195 Sek

#RD8621 Snabbfäste ratt splines 19mm inner diam. Pris 1195 Sek

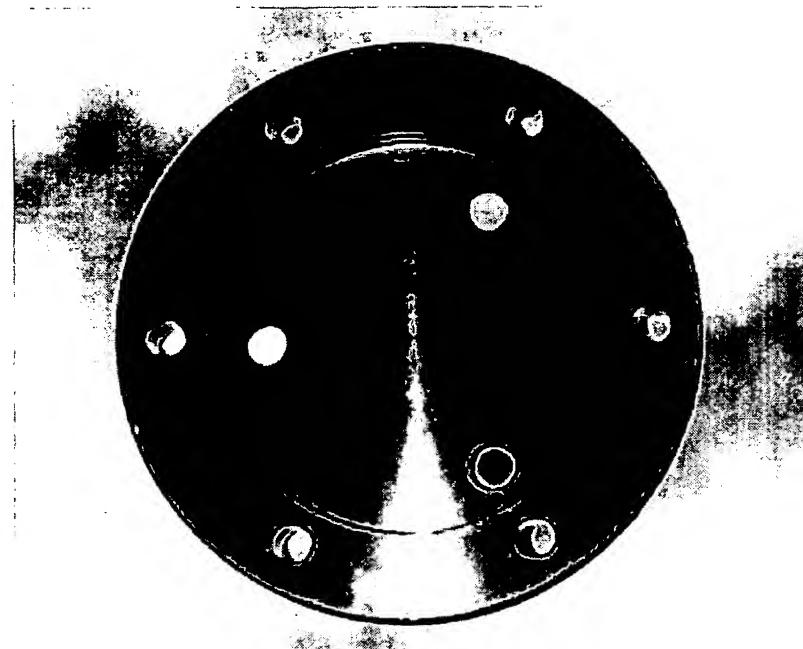
#RD8620 Boss kit with slide ring. Price 1195 Sek



#RD8604 Snabbfäste ratt (6-kant). Pris 795 Sek  
#RD8604 Boss kit with slide ring. Price 795 Sek

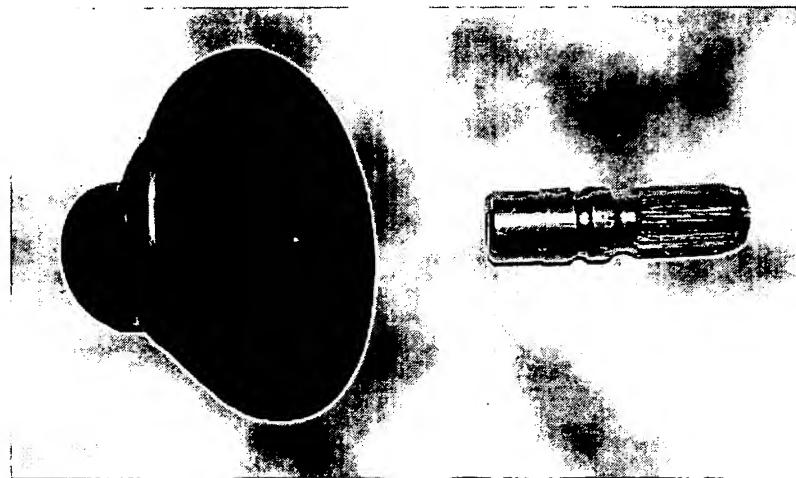


#64-0125 Snabbfäste ratt ekonomi (6-kant). Pris 435 Sek  
#64-0125 Boss kit with pin release. Price 435 Sek



#RD8605 Adapterplatta Motolita & Mountney . Pris 280 Sek

#RD8606 Adapterplatta OMP & Momo rattar. Pris 280 Sek



#RD8622 Snabbfäste ratt splines med 6 hål. Pris 1.395 Sek

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Quick release boss, Steering wheel boss, Rattnav, Snabbutlösnings rattnav - Netscape

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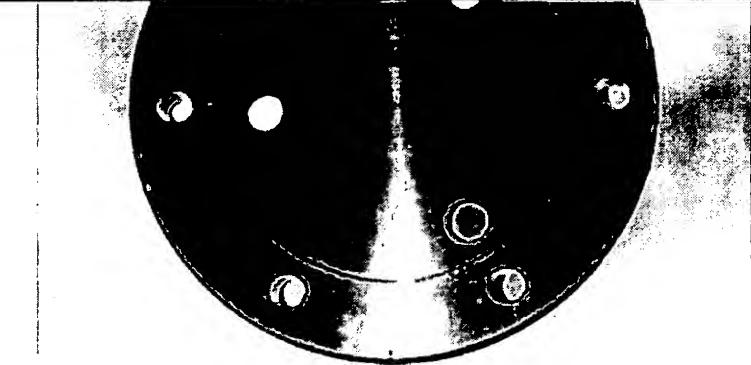
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